

IN THE CLAIMS:

Please amend the claims to read as follows:

1. (Original) An aligning method of a ferroelectric liquid crystal display, comprising steps of:

disposing a first mask and a second mask, each of which has opening regions and blocking regions arranged in alternating fashion in vertical direction and horizontal direction corresponding to liquid crystal cells of the liquid crystal display; and

injecting a ferroelectric liquid crystal material within the liquid crystal panel.

2. (Original) The aligning method according to claim 1, the step of disposing a first mask and a second mask, further comprising the steps of:

arranging the first mask having opening regions patterned on a first alignment film formed on an upper plate of the liquid crystal panel;

rubbing the first alignment film of the upper plate through the first mask;

arranging the second mask having opening regions on a second alignment film formed on a lower plate of the liquid crystal panel; and

rubbing the second alignment film of the lower plate in the same direction as the rubbing direction of the alignment film of the upper plate through the second mask.

3. (Original) The aligning method according to claim 2, wherein each of the openings is substantially the same size as a liquid crystal cell.

4. (Original) The aligning method according to claim 1, the step of disposing a first mask and a second mask, further comprising the steps of:

arranging the first mask having opening regions on a first alignment film formed on an upper plate of the liquid crystal panel;

photo-exposing the first alignment film of the upper plate with an ultraviolet ray through the first mask;

arranging the second mask having opening regions on a second alignment film formed on a lower plate of the liquid crystal panel; and

photo-exposing the second alignment film of the lower plate through the second mask.

5. (Currently Amended) The aligning method according to claim 4, wherein each of the openings is ~~substantially~~ substantially the same size as a liquid crystal cell.

6. (Original) The aligning method according to claim 1, wherein the opening and blocking regions in the first and the second masks are arranged in an alternating fashion.

7. (Original) The aligning method according to claim 2, further comprising steps of:
phase-transiting the ferroelectric liquid crystal material within the liquid crystal panel from an isotropic phase to a nematic phase by lowering temperature of the liquid crystal panel;
and

phase-transiting the ferroelectric liquid crystal within the liquid crystal panel from a nematic phase to a smectic C phase by further lowering the temperature of the liquid crystal panel.

8. (Original) An aligning method of a ferroelectric liquid crystal display, comprising steps of:

aligning an upper plate of a liquid crystal panel by using a first mask having a first plurality of opening regions patterned thereon;

aligning a lower plate of the liquid crystal panel by using a second mask having a second plurality of opening regions patterned thereon;

assembling the upper plate and the lower plates of the liquid crystal panel; and

injecting a ferroelectric liquid crystal material between the assembled the upper and the lower plate of the liquid crystal panel.

9. (Original) A ferroelectric liquid crystal display, comprising:

a liquid crystal panel having first regions and second regions having rubbing directions that are respectively aligned in different directions, wherein the first regions and the second regions are alternately arranged in a vertical direction and horizontal direction of the liquid crystal panel;

a ferroelectric liquid crystal injected into the liquid crystal panel; and

a multiplied-speed driving circuit for driving the liquid crystal panel having the ferroelectric liquid crystal in accordance with a frequency multiplying a predetermined reference frequency.

10. (Currently Amended) The ferroelectric liquid crystal display according to claim 9, wherein each of the first regions and the second regions are ~~substantially~~ substantially the same size as a liquid crystal cell.

11. (Original) The ferroelectric liquid crystal display according to claim 9, wherein the liquid crystal panel comprises:

an upper plate having first regions alternately arranged in a vertical direction and horizontal direction; and

a lower plate having second regions alternately arranged in a vertical direction and horizontal direction.

12. (Original) The ferroelectric liquid crystal display according to claim 9, wherein the multiplied-speed driving circuit comprises:

a timing controller for multiplying n-times to the reference frequency (where n is a positive integer) to generate a data control signal and a gate control signal based on the multiplied speed frequency;

a data driver for supplying one frame of data n times during one frame period to the liquid crystal panel in response to the data control signal; and

a gate driver for wholly scanning the liquid crystal panel n times during a frame period in response to the data control signal.

13. (Original) The ferroelectric liquid crystal display according to claim 12, further comprising: a frame memory for storing the frame of data under the control of the timing controller and for supplying the stored data to the data driver.

14. (New) The aligning method according to claim 1, wherein the liquid crystal panel has first regions corresponding to the opening regions of the first mask and second regions corresponding to the opening regions of the second mask, the first regions and the second regions are respectively aligned in different directions.

15. (New) The aligning method according to claim 8, wherein the liquid crystal panel has first regions corresponding to the opening regions of the first mask and second regions corresponding to the opening regions of the second mask, the first regions and the second regions are respectively aligned in different directions.

16. (New) The aligning method according to claim 1, wherein the first regions and the second regions are alternately arranged in a vertical direction and horizontal direction of the liquid crystal panel.

17. (New) The aligning method according to claim 8, wherein the first regions and the second regions are alternately arranged in a vertical direction and horizontal direction of the liquid crystal panel.

18. (New) The aligning method according to claim 1, wherein the first regions and the second regions are substantially the same size as a liquid crystal cell of the liquid crystal panel.

19. (New) The aligning method according to claim 8, wherein the first regions and the second regions are substantially the same size as a liquid crystal cell of the liquid crystal panel.